INDEX TO THE
BULLETIN OF THE PAN AMERICAN UNION

Vol. XLIX July to December, 1919 Nos. 1-6

[The Index to illustrations will be found on p. xviii.]

Page.

Agriculture, notes 73, 194, 320, 440, 569, 711
American Red Cross, Post War Work 384
Argentina:
Anniversary of Argentine Republic 105
Bank statement 215, 337, 460, 548, 585
Beef exports 711
Board of trade business 337
Branch bank 723
Building construction 599
Budget 723
Cattle sales 570
Chemical congress 480
Civil code 105
Commerce 73, 440, 711
Cotton cultivation 195
Customs receipts 585
Dairy industry 570
Diplomatic and consular instruction 231
Economic conference 602
Exports of agricultural and stock products 569
Female labor decree 100
Flax exports 569
Foreign capital invested 337
Gold reserve 92
House of deputies 597
Iguazu Falls 320, 444
Insurance 92
International High Commission 585
Marble quarries 195
Meat exports 194, 290, 320, 570
Medical Preparatory School 103
Milk production in 1918 194
Mine census 569
Monument 602
Mortgages 92
National Chemical Congress 359
New Bolivian minister 359
New schools 476

ARGENTINA—Continued. Page.
Petroleum deposits and production 444
President of the board of trade 711
Products exported 460
Revenues, export duties 92, 460
School statistics 103
Stock census 569
Stock exposition 321
Supreme court 602
Taxes 585
Telegraph convention 734
Wheat areas 321
Wheat and flax 570
Wool 570
ART AND MUSEUM EXHIBITS 317
BOLIVA:
Banco de la Nación 461
Commerce, 1918 ..... 321, 445
Cultivation of grapes 196
Diplomatic pouch service 231
Exchange 215
Gold on deposit 461
Mercantile institution of Valparaiso 226
Message of the President, notes 359
Metal reserve 338
Military zones and commands 360
Mineral deposits 195
Mineral export 570
Mining concessions 195
National Bank of Bolivia 338
New ministers plenipotentiary 232
Petroleum zones 570
Powder and explosives 195
Radio telegraph station 106
Railroads 321, 571
Potosi-Sucre Railway 76
Revenues 338, 461
Tin export 195
Tin 76
Tobacco monopoly 461
Treaty, extradition, Brazil 596
Book notes 116, 242, 369, 494, 615, 741
BRAZIL:
Academy of Commerce 599
Aerial navigation 360
Aerial service 572
Agriculture 78
Ahinga production 447
Animal export 322
Banks 93, 216, 462, 586
BIRDS OF 159
Boundary treaty, Uruguay 349
Boundary treaty, Uruguay 596
Branch banks 93

BRAZIL—Continued. Page.
Budget, 1920 339
Cabinet 232
Cable service 713
Cattle exposition 572
Census 232
Civil code 224
Civil registry 597
Coffee export 322
Coffee production of São Paulo 446
Commerce 196, 445
Commerce with Argentina 712
Commercial information service 322
Convention of arbitration 713
CORN CULTURE 660
Cotton crop 323
Cultivation of the Guayule 572
Debt statement 339, 586
Dental congress 107
Dr. EPITACIO PESSOA 12
Economic conference 603, 735
Exhibits of English manufactures 77
Exploration of the Andes 735
Exposition 572
Foreign debt statement 215
Foreign trade 571
General taxes 339
Geographical congress 735
Government appropriation 226
Grain exposition 322
Health department 360
Horses and mules 76
Immigrants 106
Immigration statistics 480, 602
INTERIOR CITIES 22
International convention, bills of exchange 596
Loans 586
Lumber industry 323
Manganese ore 712
Maize production 196
Money orders, treaty with United States 596
New consulate in England 361
Oil discoveries 323
Petroleum deposits 572
Petroleum imports 324
Port improvement 197
Post office 107
Proposed submarine cable 77
Public instruction 476
Radio school 732
Railways 77
Revenues 215, 339, 586
Rio Grande do Sul banks 216
Rubber exports 712

	Page.
BRAZIL—Continued.	
SÃO PAULO, MANUFACTURES OF	274
Shipbuilding	572
Steamship line	322
Sugar export	323, 712
Telegraph statistics	232
Timber trade	571
Tobacco exports	196
Treaty of extradition with Bolivia	596
Treaty regarding postal pouches, Venezuela	99
Wheat crop	323
Yokohama bank	93
BUSINESS TRAINING FOR ENGINEERS	71
CARNEGIE, ANDREW, THE WORLD'S GREATEST PHILANTHROPIST	249
CARNEGIE'S INTEREST IN THE PAN AMERICAN UNION	257
CHILEAN CONVEYANCES, YESTERDAY AND TO-DAY	62
CHILE:	
Aviation	603
Aviation in Chile and crossing the Andes	298
Banks	340, 587
British commerce	713
Budget	340, 341, 600
Building construction	227
Cabinet	735
Census	232, 482
Centenary of discovery of Chile	107
Cereal export decree	574
Chamber of Commerce at Puerto Montt	449
Chilean Trans-Andean Railway	714
Coal consumption	447
Coal deposits	198
Coast-wise law	224
Commerce	324
COMMERCIAL AND INDUSTRIAL EDUCATION	177
Congress of primary education	358
Crops	324
Debt statement	341
Education congress	227
Educational statistics	600
Exchange of professors	357
Export of hides	79
Fiscal bonds	463
French military commission	107
Government deposits	217
Government lands	587
Grain production	447
Harbor construction	79
Industrial education	600
Inheritance tax	587
Interchange of diplomatic pouches, Mexico	596
Iron	79
Irrigation	197
Italian-Chilean steamship line	197
LUNCHEON IN HONOR OF CHILEAN AMBASSADOR	562

CHILE—Continued. Page.
Medical society 481
Merchant Marine 573
Meteorological station 481
NAHUEL-HUAPI NATIONAL PARK 181
National congresses 232, 482, 603
National Institute of Criminology 232
National revenue, 1920 587
New consul in Los Angeles 361
Night schools 732
Nitrate district 107
Nitrate exports 78
Nitrate precipitation process 198
Nitrate production 197, 448
Paper conversion 341
Penal institutions 232
Presidential laws 79
President of chamber of commerce 448
Prohibition law 107
Prohibition league 481
Public works 448
Railway congress 108
Receipts and expenditures 217
Red Cross 603
Reform school 226
Reorganization of cabinet 361
Reorganization of department of labor 573
Revenues 218, 463
Sale of nitrate 714
Santiago Chamber of Commerce 78
Scientific congress 107
Stock exports 325
Tobacco industry 447
Trade with Argentina 324
COLOMBIA:
Addition to Cartagena district 108
Aerial Mail 108
Agricultural census 600
Argentine Military College 227
Aviation 361, 604, 715
Banks 464, 588
Boundary treaty with Ecuador 349
Budgets 463, 589
Cabinet 736
Cable service 482
Census 482
CENTENNIAL OF BOYACA 373
Coffee crop 325
Coffee statistics 450
Coining of money 341, 463, 589
Colleges 732
Commerce 714
Commercial commission 199
Commercial mission 326

COLOMBIA—Continued. Page.
Concordat Convention, Holy See 729
Corporation and public officials' duties 597
Duty on salt imports 199
Emerald mines 199, 714
Exchange 218
Exports of gold coin 218
Extension of railways 79
Gold coined 464
Gold exports 93
Guano deposits 199
Highway construction 80, 199, 736
Improvement of rivers 80
Internal debt bond issue 218, 341
Loans 94, 218, 342, 464, 588, 589, 724
Medical congress 233
Milk station 233
Mineral discoveries 326
Money in circulation 464
Monuments erected 482, 603
National congresses 483
Navigation 80, 715
New envoys plenipotentiary 604
New mineral deposits 200
New ministers 233
Nickel coin 724
Notes 588
Oil fields 325
Oil land grants 350
Platinum export 574
Police school 732
Population statistics 361, 604
Port improvement 198
Postage stamp issue 724
Public works 736
Radio Station at Puerto Velillo 362
Railway construction 80, 199
Receipts and expenditures 464
Red Cross 233
Revenues 341
Salt mines 449
Scholarship contest 227
School of dentistry 358
School of stenography 358
School statistics 477
Statues 604, 736
Statue to Bolivar 109
Sugar factory 575
Tobacco exports 449
Tobacco industry 326
Treasury certificates 724
University for women 227
Vital statistics 482
Commerce, Notes 73, 194, 320, 440, 569, 711

Page.
COMMERCIAL CONFERENCE, THE SECOND PAN-AMERICAN 1
CONFERENCE, THE SIGNIFICANCE OF THE 191
Congress of Commercial Associations 735
COSTA RICA:
Banana industry 80
Cement industry 80
Cultivation of oleaginous plants 81
Elections 605
Expenditures 589
Free milk station 604
New cabinet 605
New minister of commerce and treasury 110
Radio telegraph stations 110
Revenues 589
CUBA:
Aerial freight service 716
Aerial mail service 362
American hospital 234
Anniversary of Habana 605
Appropriations 343
Automobile manufactures 201
Bank dividends 219, 342
Banks 465
Building construction 732
Census 233
Chamber of Commerce of Habana 201
CITRUS INDUSTRY 681
Coining of silver 465
Commerce 81, 715
Commercial service bureau 81
Criminal statistics 234
Cuban-American Aircraft Corporation 483
Customs revenues 725
Development of asphalt and oil fields 450
Discovery of oil in Guanbacoa 450
Drug and medicine trade 328
Educational system 352
Electoral code 473
Electric railway 201
Exports to Argentina 575
Fish consumption 326
General statistics 450
Highway construction 82
Honorary degrees 600
Import of sugar cane 327
Inspector general of census 362
International Bank of Cuba 94
International Bank of Habana 590
International High Commission 736
Live stock importation 81
Manufacture of railroad cars 201
Minister of public instruction 736
Navigation 81, 575

CUBA—Continued.	Page.
Next tobacco crop	716
Organic judicial law	473
Pension law	474
Pharmacists cooperative society	200
Postal tariff	590
Public telephone and telegraph service	483
Public works	590.
Radio telegraph station	11
Resumption of freight connections with Antwerp	200
Revenues	219, 465
Sale of land	82
Sanitary service	605
Stamp tax	219
Statues and monuments	483
Stock breeding station	200
Stock quarantine stations	200
Sugar cane	715
Sugar exports	575
Sugar factories	201
Sugar production	82, 576
Sugar statistics	327, 450
Teachers' retirement law	598
Telephone communication	736
Tobacco business	451
Tobacco export	715
Tobacco manufactures 1918	201
Trade-mark protection	110
Transportation improvements	327
DOMINICAN REPUBLIC:	
Agricultural and Industrial Exposition	452
Aqueduct	484
Cathedral	606
Census	234
Coastwise trade	328
Commerce 1918	82
Commission of claims	465
Cooperative society	451
Dental diploma	601
Electric plant	606
Free schools	104
Geodetic Survey	111
Government bonds	219
Highway construction	82, 202, 452
Improvement of rivers	83
Import and export tariff	599
Importation of cotton seed	82
Import tax	465
Irrigation of the Banegas section	82
Loan	344
Mining code	100
Municipal congress	484
Navigation	576
New consul from Bolivia	111

Dominican Republic—Continued. Page.
Official statistics 363
Property tax 100
Public works 344
Railway service 82
Revenues 220, 465
Rural census 234
Sanitary code 605
School statistics 477
Shipping 328
Sugar production 202
Traffic regulations 606
Wheat cultivation 202
Economics, Notes 92, 215, 337, 460, 584, 723
Ecuador:
Association of agriculturists 203
Boundary treaty with Colombia 349
Cacao blight 203
Cacao export 83, 202
Congress of students 606
Consular changes 235
Cotton factory 329
Course in philosophy 228
Exchange 220
Exposition 329, 576
Fiscal receipt 466
Hides export 202
Hydroelectric plant 111, 737
Liquor decree 344
Loans 220
National army 484
National congress 484
New minister of foreign relations 111
Normal school 229
Observatory 484
Public debt 466
Public instruction 478
Public works 466
Railway bonds 94
Railway construction 452
Sanitation 606
School statistics 478
Stamp issue 235, 484, 590
Tax on railway receipts 83
Transportation improvement 203
Treaty of Friendly Relations, Commerce and Navigation 597
Education, Notes 103, 226, 352, 476, 599, 732
Elemi of Tropical America 66
Finances, Notes 92, 215, 337, 460, 584, 723
General notes 105, 231, 359, 480, 602, 734
Guatemala:
Agricultural experiment station 577
Aviation school 479
Bridge construction 204

GUATEMALA—Continued. Page.
Cattle and sheep exhibition 453
Cereal production 453
Coffee dryer 329
Commercial travelers' treaty, United States 99, 472
Consular promotions 236
Consul general to Barcelona, Spain 364
Elections 112
Electric power 203
Enemy-alien property decree 454
Exchange 467
Hat-making school 358
Highway construction 453
Hospital 485
Military Academy 485
Monuments 607
Municipality loan 95
Municipal works 485
National budget, 1920 94
New customs tariffs 83, 204
New minister from Salvador 236, 364
New schools 229
Penal code 100
Pineapple cultivation 204
Railway improvement 330
Reconstruction stamp issue 364
Sanitation 606
Teachers' society 737
Treaty of peace 485
HAITI:
Aerial mail 607
Aero station 364
Agricultural exhibition 84
Auto import 205
Census commission 358
Commerce 205
Consulate 485
Corn crop 330
Cotton cultivation 205
Election law 474
Export restriction decree 454
Foreign trade 577
General census 486
Highway construction 236
Instruction 479
Irrigation 84, 716
Law school 733
Lawyers' association 485
National Bank of Haiti 95
National institute 733
Navigation 578, 716
New high school 607
New tax law 350

Haiti—Continued. Page.
Postal service 730
Public buildings 485
Railway line 607
Receipts and expenditures 467
School of agriculture 358
Trade-marks 224
Withdrawal of paper currency 101
Henequen Industry of Yucatan, Mexico 640
Honduras:
Budget, 1919–20 221
Carbide of calcium import 716
Customs receipts 591
Dry dock 578
Freight wharf 84
Gold coin 591
Gold and silver mines 84
Issuance of postage stamps 112
Mangle bark 206
Mineral export 205
Municipal library 608
Navigation 206
New consul of Nicaragua 608
Oil concessions 84
Oil fields and coal mines 716
Opening of Trujillo Railway 84
Presidency 608
Radio station 112
Trade-mark protection 84, 101
Writers of 187
Industry, notes 73, 194, 320, 440, 569, 711
Latin American Foreign Trade in 1918—General Survey 545
Legislation, notes 100, 224, 350, 473, 597, 730
Mexico:
Aero express service 579
Agriculture, 1918 209
Army 487
Auto club 608
Bank of Commerce and Industry 591
Buckwheat and castor beans 330
Commerce, 1918 207
Twenty-sixth congress 486
Congress of the chambers of commerce 237
Consular fees 345, 467
Corn crop 579
Cotton crop, 1918 578
Cotton exports 717
Culture of fruit trees 415
Currency in circulation 468
Diplomatic relations 486
Discovery of rubber forest 85
Emigration and immigration 486
Exchange 592
Farming by motion pictures 210

MEXICO—Continued. Page.
Food boards 717
Foreign claims 467
Foreign debt statement 95
Free school of oil engineers 103
Gold coin 725
Governmental receipts 725
Government tax decree 236
Henequen decree 330
Henequen exports 85
Hydroplane coast guard 113
Immigration 718
Industrial census 455
INTELLECTUAL PROGRESS 54
Interchange of diplomatic pouches, Chile 596
Ixtle exports 1918 85
Judicial police 737
Laborers' congress 113
Law for reparation of damages 474
Liabilities 221
Metal production, 1918 85
Mexican Commercial Museum 86
Mineral exports 330
Mineral production 454
Modern machinery 717
Monetary commission 725
Municipal budget 725
National merchant marine 487
National monetary commission 591
Naturalization 486
Navigation 579
New magistrate of supreme court 112
New onyx mine 85
New postal system 487
New secretary of industry and commerce 112
Oil industry 209
Organization of municipalities 730
Passports 737
PERU AND THE MANILA GALLEON 670
Petroleum companies 718
Petroleum deposits 579
Petroleum exports 718
Petroleum production 455
Platinum deposits 85
Population census 737
Postal money orders 725
Radio telegraph station 236
Railroads 208
Railway construction 331
Rapid transportation service 86
Revenues 468
Salt mines 455
School of aviation 229
Secretary of treasury 608

MEXICO—Continued. Page.
Steamship line 717
Tax 592
Telegraph and telephone service 487
Tobacco factories 330
Trade with Central America 210
MONETARY SYSTEMS, LATIN AMERICAN 280
NICARAGUA:
Aerial mail service 87
Agricultural society 610
Banana cultivation 210
Banana plantation 718
Census 610
Civil code 738
Coal deposits 580
Coffee cultivation 456
Commerce 1918 331
Corn exports 456
Fruit production 580
General taxes 345
Highway construction 210, 580
Importation of blooded stock 456
Internal debt 345
Laborers' unions 113
Minister from Honduras 487
National revenues 581
Navigation 210
New consul general in New York 238
New consul to Los Angeles 113
New legation in Managua 238
Northern highroad 718
Parcel post imports 238
Peruvian balsam 718
Petroleum 580
Powder manufacture 580
Primary schools 229
Public health measure 237
Public works 581
Radio telegraph stations 113, 237
Railway construction 86
Revenues 468
Sanitation 609
School of dental surgery 104
Sugar exports 580
Tax on real estate 718
Telephone and telegraph lines 238, 487
Tobacco consumption 456
Tobacco crop 210
Wood export 718
PANAMA:
Agricultural colonies 87
Alien decree 350
Anniversary 238
Anniversary of the city of Panama 114

PANAMA—Continued. Page.
"Black palm" 211
Budget 1919 to 1921 346
Census 738
Coconuts 581
Code of public instruction 104
Commercial travelers' treaty, United States 99
Committee of legal advisers 113
Document registration tax 102
Factories 333
Firearms and ammunition 212
Highway construction 333
National Agricultural Bank 95
National debt loan 96
National revenue 592
Navigation 719
Oil wells 719
Parcel-post agreement with Jamaica 596
Penal Colony 114
Secretary of promotion 610
Stamp tax 365
Statutes 610
Sugar business 211
Sugar factory 87
Surgeons' congress 738
Telegraph improvement 366
Telegraph rates 610
PAN AMERICA IN THE MAGAZINES 302, 699
PAN AMERICAN NOTES 436, 695
PAN AMERICAN UNION, JADE FENCE 565
PARAGUAY:
Artigas school 733
Banks 97, 593, 726
Bank of the Republic 592
Bank statement 347
Chamber of commerce 721
Commerce 88, 721
Corporation tax 102
Cost of wheat 366
Customs receipts 726
Customs requirements 88
Erection of monument of Pirebebuy 114
Export tax 593
Exposition 333
Extradition treaty with Spain 349
Gold exchange rate 97
Import tax 726
Minister plenipotentiary 738
Monument 738
National coastwise service 721
Navigation 581
Normal schools 733
Pan American Union correspondent 738
Personnel of war officials arranged 114

PARAGUAY—Continued. Page.
Secondary schools 733
Statistics 719
Stock experiment station 334
Textile industry 334
Treaty extradition, Spain 729
Willow cultivation 88
PERU:
Banco Mercantil de Peru 469
Banks 726
Bank of Peru and London 98
Bank reserve 347
Bureau of labor 582
Bureau of the navy 488
Chamber of commerce 334
Constitutional amendments 350
Copper output 457
Dental school 230
Entry of aliens 239
Exploitation of guano 89
Exportation of alfalfa seed 457
Freight rates 721
Grains and vegetables 721
Guano deposits 212
Hide and skin exports 721
Illuminated buoys 610
Immigration 721
Import taxes reduction 721
Irrigation 212
Long-distance telephone service 367
Medicinal plants 457
New cabinet 488
Notes 469
Sales of food products 457
Special lectures 601
Subsistence department 721
Tax 469
Vegetable production 212
PERUVIAN AMBASSADOR, LUNCHEON IN HONOR OF 69
PIZARRO, STANDARD OF 395
RAILWAY COMMUNICATION BETWEEN PERU AND ARGENTINA 262
SALVADOR:
Agricultural development 213
Anniversary 367
Bank reserve 347
Budget, 1919–20 469, 727
Drainage of Ilopango Lake 114
Duty free importation of lumber 90
Exchange 347
Gold coinage 594
Gold and silver discoveries 213
Highway improvement 213
Income tax law 470
Loan 470

	Page.
SALVADOR—Continued.	
Mechanical school	230
Mining	89
New city	611
New currency unit	594
New gold and silver deposits	90
New judges of western court	114
New minister	114
Occidental Bank	593
Oil discovery	212
Organization of Red Cross	115
Pan American Financial High Commission	239
Receipts and expenditures	593
Reorganization of military forces	239
School promotion campaign	479
Silver export	594
Sugar and coffee tax	458
Tax	593
SOUTH AMERICAN OBSERVATIONS	519
SPANISH IN NEW YORK SCHOOLS	656
SPANISH, TEACHERS' ASSOCIATION	72
TARIFFS, LATIN AMERICAN:	
PART I	37
PART II	154
TRANS-ANDEAN RAILROAD	649
TRANS-ATLANTIC FLIGHTS	46
Treaties, Notes	99, 223, 349, 472, 596, 729
URUGUAY:	
Additional license tax	728
Aero navigation	582
Arbitration treaty with Great Britain	223
Bank of the Republic	98, 595
Bank statement	347
Boundary treaty with Brazil	596
Boundary survey	739
Boundary treaty with Brazil	349
Budget 1918–19	470
Bureau of patents and trade marks	335
Commerce	214, 335, 458
Commercial travelers' convention with United States	472
Commission in official publications	115
Consolidated debt	727
Customs receipts	470, 727
Decree concerning diplomats	102
Election of officers of national congress	116
Exchange	470
Export permits	722
Foreign trade	582
Governmental expenditures	727
Hospital	612
Japanese commercial commission	90
Live-stock exhibition	336
Live-stock exportation	214
Meat export	459, 722

URUGUAY—Continued. Page.
Mechanics' courses ... 734
Military construction ... 115
Military delegation ... 738
Montevideo budget ... 727
Monument ... 116
National commission of physical culture ... 601
National stock, agricultural, and industrial exposition ... 90
New bank of the Republic ... 611
New minister of foreign relations ... 489
New schools ... 601
Packing-house industry ... 458
Pan American congress of architects ... 612
Production of cereals ... 335
Public debt ... 222
Public revenues ... 470
Public works loan ... 98
Quarantine inspection ... 240
Railway improvement ... 90
Real estate tax ... 599
Real property tax law ... 727
Revenues ... 348
Sanitarium bonds ... 98
Secretary of state appointed ... 367
Silver coin ... 728
Stock of gold ... 594
Stock production ... 335, 458
Telegraph improvement ... 367
Time-tables ... 722
Transportation congress ... 612
Vital statistics ... 489
Wheat ... 722
Wood export ... 214
UNITED STATES:
Arbitration treaty with France ... 472
Arbitration treaty with Italy ... 473
Arbitration treaty with the Netherlands ... 472
Arbitration treaty with Spain ... 472
Commercial travelers' convention with Guatemala ... 472
Commercial travelers' convention with Uruguay ... 472
Commercial travelers' treaty with Guatemala ... 99
Commercial travelers' treaty with Panama ... 99
Commercial travelers' treaty with Venezuela ... 223
Money orders agreement with Brazil ... 596
NEW ORLEANS, THE GATEWAY TO THE MISSISSIPPI VALLEY ... 134
SAFETY FIRST IN MINING ... 428
STANDARDIZING AND GRADING GRAIN ... 400
VENEZUELA:
Alien law ... 224
Asphalt mines ... 214
Banco de Maracaibo ... 728
Bank dividends ... 348
Banks ... 471
Boundary surveyor ... 612

VENEZUELA—Continued. Page.
Census law 351
CENTENARY OF THE BATTLE OF BOYACA 125
Centennial 368
CITY OF CARACAS 497
Coffee cultivation 214
Commerce 91, 583
Commercial travelers' treaty with United States 223
Consulate general in Cuba created 369
Debt statement 471
Diplomatic debt 728
Director general of census 490
Experimental agricultural station 583
Extra dividend 595
Firearms' decree 459
Fishing industry 91
Gold on hand 471
Law of the call of national defense 351
MARACAIBO OIL FIELDS 554
Mineral operations 583
Minister plenipotentiary from United States 368
Mountains and rivers law 731
National budget 728
Navigation 583
New minister from Mexico 368
New schools 230
Oil development 336
PAINTING 621
Primary education 602
Public works 241
Puerto Cabello Chamber of Commerce 214
Railway construction 459
Statue 612
Tax on pearls 595
Treaty regarding postal pouches, Brazil 99
Unclaimed and public lands 731
Uruguayan mission 739
Wireless development 490, 739

INDEX TO ILLUSTRATIONS.

Andean Railroad country 265
ARGENTINA:
After leaving the International tunnel 532
Buenos Aires 535
Cattle exhibition at Palermo 296
Cattle land 295
Exhibition of blooded bulls 293
La Plata cold-storage works 293
Meat industry, The 292
Mendoza—Vineyard 533
The Pampa 291
Stockyards at Buenos Aires 293

Page.
Armenia, Red Cross workers 387
Belgrade, Red Cross playground 388
Bolivia:
Atocha Station 526
Atocha Station—Merchandise awaiting shipment 526
Bridging Minaza River 652
Finished roadbed 652
Gorge near Tupiza 267
Lake Titicaca 523
Living quarters of construction gangs 651
Oruro—Office of the national bank 524
Road from Tupiza to La Quiaca 270
Rock cut 654
Scene near La Paz 650
Type of locomotive in use 651
Yerbabuenani 654
Yungas Station 655
Near Yungas terminal 655
Brazil:
Bello Horizonte—
Department of interior 29
Executive mansion 29
Law school 27
Treasury department 27
Boatbill 167
Brazilian cardinal 175
Brazilian hermit hummer 161
Brazilian teal 165
Corn and coffee plantation 661
Cornfield 663
Corn gathering in State of São Paulo 665
Cujubi Guan 167
Curitiba—
Panoramic view 32
University of Parana 30
Cuvier's toucan 165
Diamond sections of Minas Geraes 24
Drying corn 667
Harpy eagle 163
Hawk parrot 171
Hoatzin 169
King of the flycatchers 173
Macaw 161
Matto-Grosso wood sparrow 173
Ouro preto 23
Para—
A plaza 542
Botanical gardens ..... Cover, July
Pines of Parana State 26
Products of São Paulo's factories 278
Rhea and its eggs 160
Rio de Janerio—Avenida de Rio Branco 538

Page.

BRAZIL—Continued.
São Paulo—
Construction of Armour plant 540
Industrial plants 275
Manufactures 276
Municipal Theater 35
Plant of Armour & Co 540
Street scene 33
Ypiranga Museum 36
Scene in the gold belt 24
Settlers' houses in Parana State 26
Carnegie hero medal 260
Carnegie, Mr. Andrew 250
CHILE:
Automobiles at Viña del Mar 65
Chuquicamata—Copper works 524
Mount Osorno 183
Nahuel-Huapi Park—
Mount Tronador 184
Panoramas of Lake Nahuel-Huapi 186
Three Brothers Peak 185
Peaks of the Andes 532
Port of Lake Nahuel-Huapi 183
Punta Arenas—Moonlight on the Bay ..... Facing p. 373
Santiago—
Plaza de Armas 530
Street scenes 63
Valparaiso—View of part of city and bay 529
COLOMBIA:
Bogota during the centennial of Boyaca 376, 380
Centennial of Boyaca 374
On the field of battle of Boyaca 382
"Quinta" of Bolivar 378
Commercial Congress, Second Pan American, delegates to 3
Costa Rica, scene near San Jose ..... Cover, December
CUBA:
Bainoa—Citrus grove 687
Citrus fruit and vegetable exhibit from La Gloria 309
Citrus fruit estate on Isle of Pines 309
Consolacion del Sur—Citrus nurseries 687
Example of rebudding 685
Grapefruit tree 689
Herradura—Packing plant 691
Iron mines, Province of Oriente 306
Isle of Pines—
Grapefruit tree 683
Orange picking 683
Packed grapefruit 691
Packing house 691
La Gloria—Young citrus trees 687
Landscape scene 310
Riverside, Orange grove 683
Santiago de las Vegas, Ranch 304
Truck gardening 307
View of Habana 303

	Page.
DOMINICAN REPUBLIC:	
Banana plantation	703
Cathedral at Santo Domingo	704
Shelling cacao	707
Tomb of Columbus	706
Tropical growth	709
ECUADOR:	
On the Guayas River	Cover, September
View near Quito	Cover, October
Entertainment in honor of Dr. Pessoa	14
France, Versailles—George Washington Statue	701
Germany—American sailors at funeral of minister of Cuba to Germany	439
Guatemala—Scene along Central Railway	Cover, November.
Guatemalan mission	698
Gutiérrez, the Cuban patriot	Facing p. 1
Jerusalem, Red Cross Hospital	385
Kavala, on the Ægean Sea	388
Maginnis, Hon. Samuel Abbot	697
Mexico, Acapulco	675
Mexico, Aguacates	422
MEXICO:	
Bale of henequen	647
Binding henequen bales	647
Coconut palm	418
Falls of Juanacatlan, State of Jalisco	Facing p. 249
Feeding the stripping mill	643
Fruit trees	424
Harbor of Acapulco	675
Henequen drying field	645
Henequen en route to drying field	645
Henequen harvest	641
Henequen stripping mill	642
Newly stripped fiber	643
Papaya tree	418
Pitahaya (Saguaro), the	420
Sisal or henequen press	646
Tejecote	420
Vineyard	422
NC–3 at Ponta Delgada, Azores	50
NC–4:	
Crew of, at Horta	52
Leaving Trepassey for the Azores	48
Newfoundland, Trepassey Harbor	47
Oroya Railroad, difficult construction points	271
Pan American Annex, the	20
Pan American gold medal	254
PARAGUAY:	
Lumbering	316
Lumbermen	315
PERU:	
Arequipa and Mount Misti	521
Arequipa Observatory	521
Juliaca, a railway junction	269
Lima, general view	263

	Page.
PERU—Continued.	
View of Callao	272
View of Lima at San Cristobal	520
Water tank and turntable on Oroya Railroad	269
Pessoa, Dr., and party	18
Pessoa, Dr. Epitacio	13
Pessoa, Senhora	16
Poland, Maceowice, Red Cross receiving depot	385
Roadbed in the Andes	527
RUSSIA:	
Interior of peasant home	391
Red Cross carrying supplies	391
Red Cross in Archangel District	393
Warsaw, Orthodox Church	387
Scenes on the Oroya Railroad	266
SERBIA:	
Prishtina	386
Antityphus train	393
Taxidermy and photography	318
Timber lands along the Upper Parana River	312
Timber rafts on a Paraguayan river	313
Tropical seas	Facing p. 621
Tupiza La Quiaca Route, old method of travel	264
United States—Andrew Carnegie	250
Uruguay, Montevideo—Avenida de Julio	536
UNITED STATES:	
Concrete grain elevators	407
Floating elevator in operation	411
Grain sampler at work	403
Grain weight test	413
Grain yards	405
Interior of a grain barge	407
Loading grain	411
New Orleans—	
Baronne Street	141
Bird's-eye view of cotton warehouse	136
Canal Street	139
Cotton sheds and freight cars	135
Grain elevators	138
Latin American editors and correspondents	564
New courthouse building	144
One of the beautiful residences	150
Scene in City Park	152
Tulane Medical School	145
Tulane University	147
The Isaac Delgado Museum of Art	148
United States post office	142
New York—	
Elevator leg lifting grain	409
Floating grain elevators	409
Pittsburgh—Bureau of Mines laboratory	429
Relatives of miners waiting after explosion in mine	433
Rescue corps auto truck	435
Rescue corps in action	430

UNITED STATES—Continued. Page.
Rescuers returning from mine ... 432
Seattle Federal grain supervision office ... 405
Thrashing, cleaning, and sacking ... 400
Washington, D. C.—
Pan American Annex ... 566
Pan American Annex, jade fence ... 567
Pan American Building ... 252
Pan American Building, Hall of the Americas ... 7
Two of Carnegie's gifts to Washington, D. C ... 258
Wheat harvesting ... 400
VENEZUELA:
Battlefield of the Boyaca ... 126, 128
Battle of Carabobo ... 625, 627, 629
Bolivar in the Andes ... 130
Camp at Tarra ... 560
Caracas—
Presidential palace ... Cover, August
Houses ... 516
Mausoleum of Bolivar in the Pantheon ... 513
Ministry of treasury ... 510
Monument of 19th of April ... 518
Notable buildings ... 501
Palace of Miraflores ... 499
Presidential residence ... Cover
Scene along Cartuche ... Facing p. 497
Statue of the Liberator ... 502
Two institutions of higher education ... 514
Views ... 498, 505, 507, 508, 511
Cathedral of Caracas ... 504
Clearing for Tarra Railroad ... 557
Crossing the Andes by Bolivar ... 131
"La Caridad" ... 631
Lake Maracaibo—Launch Colon ... 560
Maracaibo—Refinery at San Lorenzo ... 555
Michelena, Arturo ... 622
"Miracle of the loaves and fishes" ... 635
"Miranda in Prison" ... 637
On the Cunucunuma River ... Facing p. 125
Pentellea ... 633
Railroad near Tarra ... 559
Rio de Oro—
Lake of oil ... 557
Oil gusher ... 559
Well No. 1 ... 556
Signing of act of Independence ... 623
Tarra—
Gasoline still ... 555
Well No. 1 ... 556
"The Last Supper" ... 639
Toro, Antonio Herrera ... 622
Tovar y Tovar, Martín ... 622
White zapota, the ... 416